

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/005369

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G02B27/22, G03B21/60, H04N13/04, 15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G02B27/22, G03B21/60, H04N13/04, 15/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
JSTPuls (JOIS)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 9-236777 A (Philips Electronics N.V.), 09 September, 1997 (09.09.97), Full text; all drawings & US 6064424 A1 & EP 791847 A1 & GB 9693890 A & DE 69718534 T	1-8, 17-26 9-16, 27-36
Y A	JP 2003-185968 A (Takuto KAMIKO), 03 July, 2003 (03.07.03), Par. Nos. [0032] to [0034]; Figs. 7 to 10 (Family: none)	1-8, 17-26 9-16, 27-36

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search
17 May, 2005 (17.05.05)Date of mailing of the international search report
07 June, 2005 (07.06.05)Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 10-186294 A (Sharp Corp.), 14 July, 1998 (14.07.98), Par. Nos. [0042], [0051]; Figs. 5, 6 & EP 833184 A1 column 7, lines 2 to 4; column 9, line 46 to column 10, line 3; Figs. 5, 6 & US 5953148 A1 & GB 9620392 A & DE 69726087 T	8, 17-26 9-16, 27-36
A	JP 2001-501073 A (Koninklijke Philips Electronics N.V.), 23 January, 2001 (23.01.01), Full text; all drawings & US 6801243 B & GB 9715397 A & EP 934546 A & WO 99/5559 A1	1-36